

#### **NORTH CAROLINA**

#### Department of Transportation



















#### **Technical Services**

Chris Werner, Director

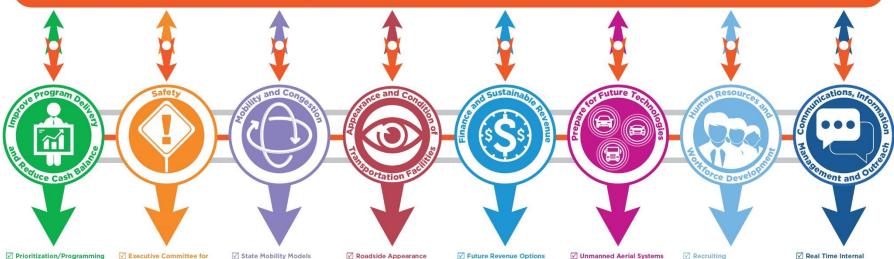
January 31, 2018

#### **Introduction and Overview**

- Introduction
- First 100-days update
  - -Program delivery approach
  - -Structure and processes
  - Industry partners
  - Oversight and controls

## **NCDOT Priorities and Work Groups**

#### **Better Transportation Service for North Carolina**



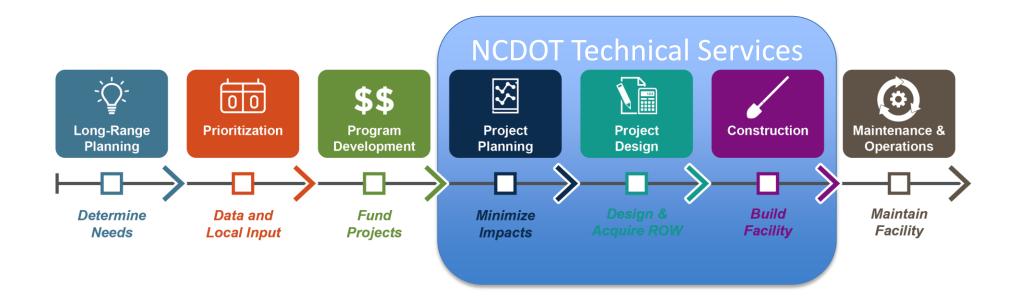
- ✓ Prioritization/Programming
- ✓ Scoping, Scheduling
- ☑ Project Development
- ✓ Procurements
- ☑ Right-of-Way
- ✓ Operations and Maintenance
- Revenue and Cash Model
- **▼** Executive Committee for Highway Safety
- ✓ Vision Zero
- ✓ Technology Pilots
- ✓ Planning and Policy
- and Analytics ✓ Rural Mobility and **Economic Development**
- ✓ Mobility Modernization
- Fund Implementation
- ✓ Mobility Performance Data
- ✓ Roadside Appearance
- ✓ Bridge and Structures ✓ Pavements; Signals/ITS
- ✓ Transportation Facilities
- ✓ Budgeting and Performance Plans
- **▼** Future Revenue Options for Sustained Transportation ✓ Connected and Automated Delivery
- **☑** Debt Capacity Instruments
  - ✓ Connected and Automated Vehicle Infrastructure and
  - ✓ Industry Technology **Advisory Group**

**Vehicle Policy** 

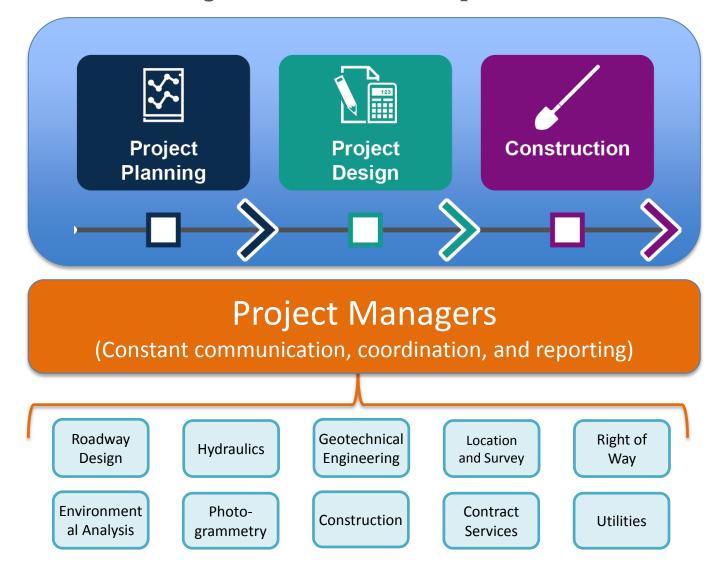
- **☑** University Center for Transportation Innovation
- ✓ Decision Support and Operations Control Data, Integration, Infrastructure, and Analysis Systems Technology

- ✓ Small Business Development
- ✓ Benefits/Compensation Reform and Modernization
- ✓ Scholarships/Internships/ Apprenticeships
- ✓ Real Time Internal Performance Measures and Dashboarding
- ✓ Real Time External Performance Measure and Dashboarding
- ☑ External Communications and Outreach of DOT Services-Planning, Project Development. Construction, Operation, All Hazard Response, Transportation Permits. Vehicle and Driver Services
- ☑ Real Time Data Collection, Analysis, Storage, and Reporting Across all Modes, Units, Facilities and Operations to Obtain and Sustain Full Time Situational Awareness

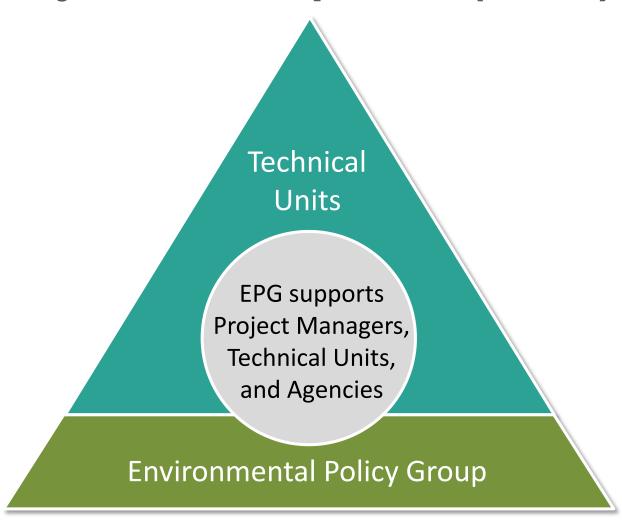
## **Program Delivery Approach**



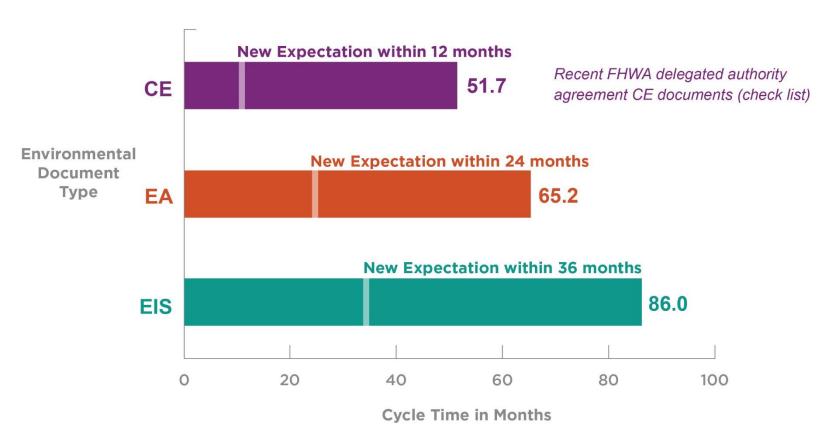
### **Project Development**



# **Project Development (cont.)**



## **Discoveries and Expectations**



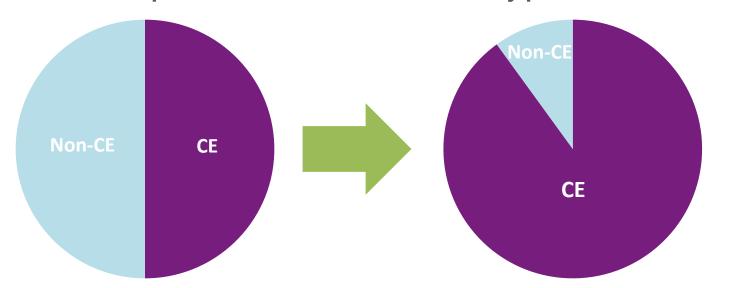
(CE) Categorical exclusion

(EA) Environmental assessments

(EIS) Environmental impact statement

# **Project Delivery**

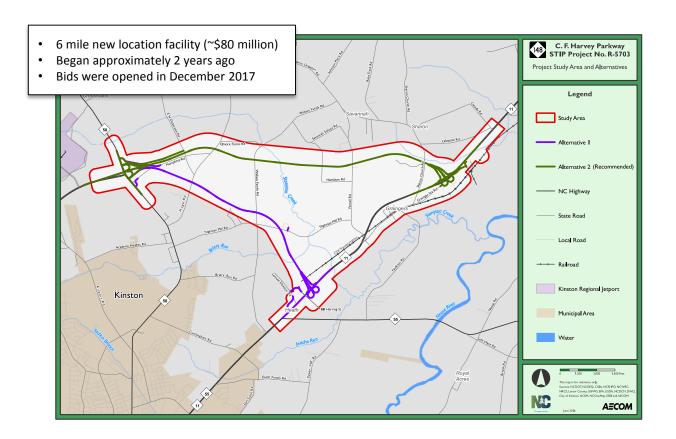
- Consistent policy approach
- Greater emphasis on document type and needs



### **Next Steps for EAs and EISs?**

A proven example: C.F. Harvey Parkway

- Combined EA/FONSI
- Utilized GIS data/info from the Kinston Bypass Project
- Close collaboration with resource agencies
- Level of effort for analysis/design "right-sized" for project
- Concise reports and document



## **Industry Partners**

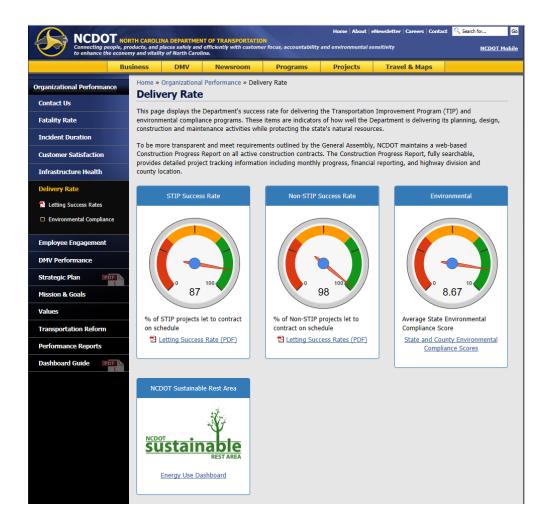
#### PEF Rates

- Development of Consultant Rate Schedule System
- Firms only submit rates (OH, salary and cost of capital) into the system
- Applicable for all projects for that year
- More straightforward and efficient
- Supported by industry
- Change negotiation process only assess mandays and distribution of work across discipline type and level
  - Use industry rates
  - Allows for quicker negotiation and initiation of work by PEF

#### Procurement

- Simplifying the number of on-call contracts as well as the language included in contracts
- Utilization of Docusign for all Professional Service contracts, NTPs, etc to speed up contracting and initiation of work by PEF

### **Oversight and Controls**



- Internal
  - -Focus on program delivery
  - Constant status review –scope, schedule and budget
  - Opportunity to accelerate projects
  - -Involvement at all levels
  - -Systematic
- External
  - Legislative requirements

# Other Initiatives – Leave no stone unturned

